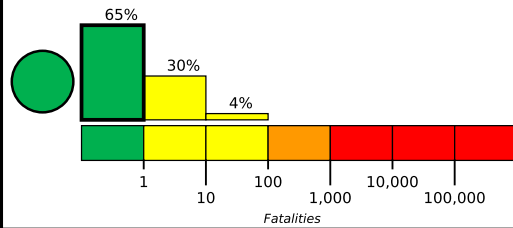# M 5.7, 16 km SW of Turt, Mongolia

Origin Time: 2021-01-11 21:44:04 UTC (Tue 05:44:04 local)
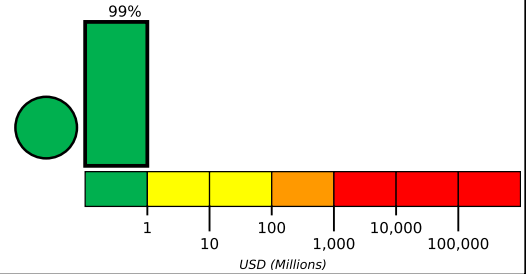Location: 51.4076° N 100.4925° E Depth: 10.0 km

PAGER
Version 1

Created: 1 week, 2 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
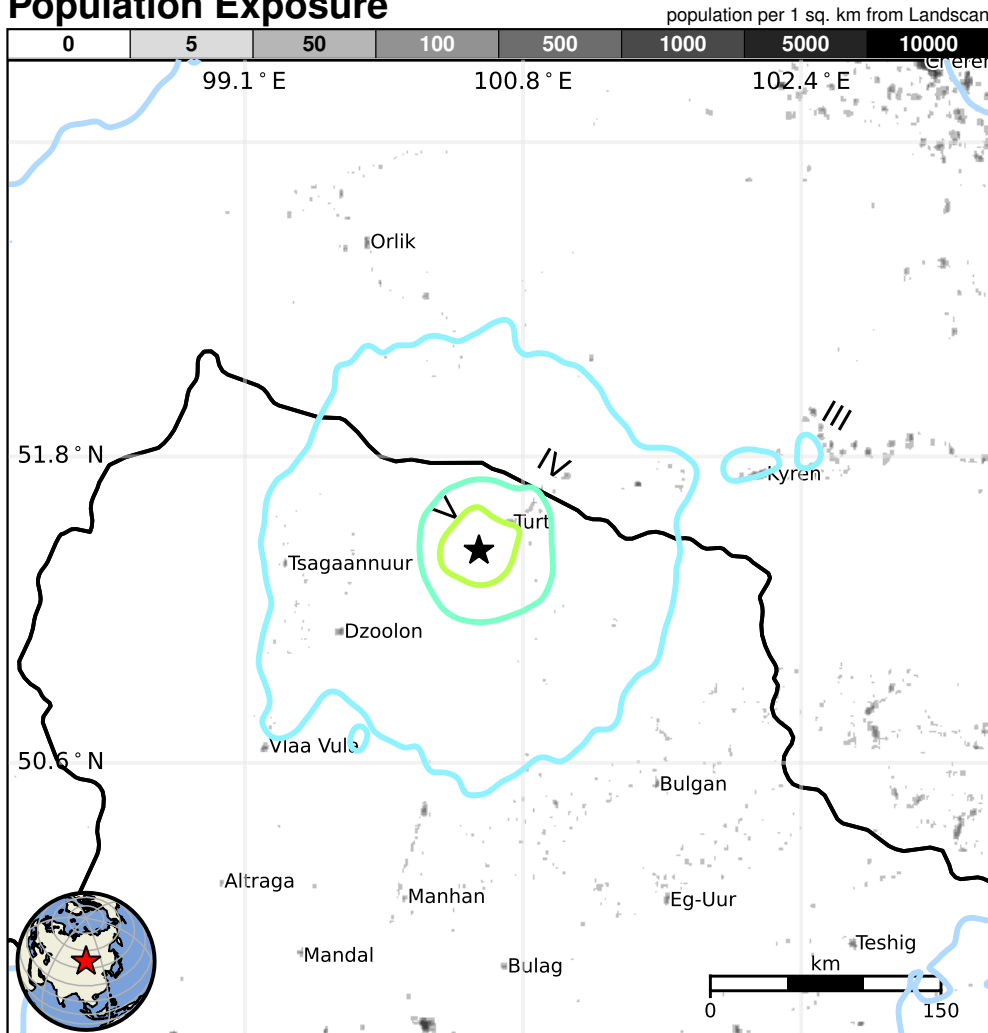
65%
30%
4%

1   10   100   1,000   10,000   100,000
Fatalities

Estimated Economic Losses

99%

1   10   100   1,000   10,000   100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	238k*	28k	2k	1k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-12-27	165	6.3	V(13k)	–
1999-02-25	310	5.9	VI(7k)	–
1989-05-13	372	5.6	VII(2k)	–

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	**Turt**	<1k
IV	**Dzoolon**	<1k
IV	**Tsagaannuur**	<1k
IV	**Kyren**	5k
III	**Vlaa Vula**	<1k
III	Zhemchug	2k
III	Murun-kuren	28k
III	**Cheremkhovo**	57k
III	Zakamensk	12k
III	Mishelevka	8k
II	Svirsk	15k

bold cities appear on map.   (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000d1ri#pager

Event ID: us7000d1ri